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#42 Collection #42 Tracking/Designated Lineages Fastest 100 Plus Recent Designations

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This collection keeps track of recent designated lineages - daily updated

Suggested baseline (6 Dec 2023):
JN.1* (Nextclade)

This collection was last updated at Sat 27 Apr 2024 00:19 UTC.

Variants

World

Past 6 months | from 2023-10-23 | to 2024-04-20

Baseline: You can select a baseline variant to compare the variants in the collection against that variant. **Currently, the baseline variant is XBB.1.5* (Nextclade).**

xbb.1.5* (Nextclade) ×

Advanced search

Select baseline only

TABLE SEQUENCES OVER TIME MUTATIONS

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Name	Query	Number sequences	Submitted in past 10 days	Relative growth advant…	CI (low)	CI (high)	Description
KZ.1.1.1 (JN.1.1.6.1.1.1; BA.2.86.1.1.1.6.1.1.1)	JN.1* (Nextclade) + T22928C, C1762A, C11747T + ORF1b:V1092F, S:R346T, S:T572I	14	6	260.15%	68.47%	451.83%	S:T572I
KP.2.2 (JN.1.11.1.2.2; BA.2.86.1.1.11.1.2.2)	KP.2.2*	16	4	226.69%	81.54%	371.84%	S:F59L S:K1266R
KP.3 (JN.1.11.1.2; BA.2.86.1.1.11.1.3)	JN.1.11.1* (Nextclade) + S:Q493E	268	98	225.86%	166.42%	285.29%	S:Q493E
LA.2 (JN.1.16.2.2; BA.2.86.1.1.16.2.2)	JN.1.16* (Nextclade) + C4777T + S:R346I	49	26	216.35%	123.05%	309.65%	S:R346I
Multilineage JN.1 Spike with S:R346I and S:F456L	C22916T, T22917G, T22926C + S:R346I, S:F456L	53	26	215.93%	125.56%	306.30%	

Chat

	XDV.1	C1170T, C6501A, T22926C, C11572T, T22930A	22	11	215.19%	100.20%	330.18%	C11572T S:F456L via T2
★	KP.1.1.1 (JN.1.11.1.1.1.1; BA.2.86.1.1.11.1.1.1.1)	KP.1.1.1*	51	20	210.97%	125.88%	296.07%	S:K182N
★	Multilineage JN.1 Spike with S:S31del, S:R346T, S:F456L	C22916T, T22917G, T22926C + S:S31-, S:R346T, S:F456L	63	28	202.88%	126.22%	279.54%	S:R346T S:F456L S:S31
★	KP.2.1 (JN.1.11.1.2.1; BA.2.86.1.1.11.1.2.1)	KP.2.1*	21	4	197.64%	97.52%	297.77%	S:Q1201K
★	JN.1.48.1 (BA.2.86.1.1.48.1)	JN.1* (Nextclade) + T18471C, G29134T + ORF3a:A99V, S:S60P, S:R346T, S:F456L	14	3	196.15%	81.54%	310.76%	ORF3a:A99V S:S60P S:F
★	LA.1 (JN.1.16.2.1; BA.2.86.1.1.16.2.1)	JN.1* (Nextclade) + C4777T + S:R346T, S:F456L	52	17	192.60%	122.72%	262.49%	S:R346T
★	KP.2 (JN.1.11.1.2; BA.2.86.1.1.11.1.2)	KP.2*	772	230	188.70%	160.45%	216.95%	S:R346T
★	LB.1 (JN.1.9.2.1; BA.2.86.1.1.9.2.1)	JN.1* (Nextclade) + S:Q183H, S:R346T, S:F456L	33	16	180.56%	104.73%	256.39%	S:F456L
★	KS.1 (JN.1.13.1.1; BA.2.86.1.1.13.1.1)	KS.1*	144	53	179.45%	133.48%	225.42%	S:F456L
★	KP.2.3 (JN.1.11.1.2.3; BA.2.86.1.1.11.1.2.3)	JN.1.11.1* (Nextclade) + S:F456L, S:H146Q, ORF3a:K67N	36	12	177.34%	107.97%	246.71%	S:H146Q ORF3a:K67N
★	KP.1.1 (JN.1.11.1.1.1; BA.2.86.1.1.11.1.1.1)	KP.1.1*	246	59	165.40%	134.68%	196.13%	S:R346T
★	Multilineage JN.1 Spike with S:R346T and S:F456L	C22916T, T22917G, T22926C + S:R346T, S:F456L	1 782	545	153.35%	138.38%	168.33%	S:R346T S:F456L
★	Multilineage JN.1 Spike with S:R346T, S:F456L, and S:T572I	C22916T, T22917G, T22926C + S:R346T, S:F456L, S:T572I	25	10	152.66%	94.39%	210.93%	S:R346T S:F456L S:T57
★	JN.1.16.2 (BA.2.86.1.1.16.2)	JN.1.16* (Nextclade) + C4777T	143	51	148.65%	117.97%	179.33%	C4777T
★	JN.1.18.2 (BA.2.86.1.1.18.2)	JN.1.18.2*	73	18	145.04%	109.09%	180.99%	S:F59S
★	Multilineage JN.1 Spike with S:R346T and S:F456V	C22916T, T22917G, T22926C + S:R346T, S:F456V	61	18	140.23%	104.39%	176.08%	S:R346T S:F456V
★	KW.1.1 (JN.1.28.1.1.1; BA.2.86.1.1.28.1.1.1)	KW.1.1* (Nextclade)	79	31	136.92%	105.88%	167.96%	S:F456L ORF1b:R2009K
★	KZ.1.1 (JN.1.1.6.1.1; BA.2.86.1.1.1.6.1.1)	JN.1* (Nextclade) + T22928C, C1762A, C11747T + ORF1b:V1092F, S:R346T	30	8	134.74%	91.99%	177.49%	S:R346T
★	KP.4.1 (JN.1.11.1.4.1; BA.2.86.1.1.11.1.4.1)	JN.1.11.1* (Nextclade) + C6070T, C19884T + S:R346T	56	13	132.86%	99.98%	165.73%	C19884T S:R346T
★	JN.1.7.4 (BA.2.86.1.1.7.4)	JN.1.7* (Nextclade) + T22928C	31	11	131.84%	90.44%	173.24%	S:F456L via T22928C
★	KU.2 (JN.1.30.1.2; BA.2.86.1.1.30.1.2)	KU.2*	28	7	129.84%	88.87%	170.81%	S:F456L
★	KP.1.2 (JN.1.11.1.1.2; BA.2.86.1.1.11.1.1.2)	JN.1.11.1* (Nextclade) + S:K1086R, S:T572I	12	3	127.55%	72.54%	182.55%	S:T572I
★	KP.4 (JN.1.11.1.4; BA.2.86.1.1.11.1.4)	JN.1.11.1* (Nextclade) + C6070T	122	28	126.28%	103.61%	148.94%	C6070T
★	KP.4.2 (JN.1.11.1.4.2; BA.2.86.1.1.11.1.4.2)	JN.1.11.1* (Nextclade) + C6070T + S:R346T, S:K187R	42	11	126.01%	92.95%	159.06%	S:R346T S:K187R
★	Multilineage JN.1 Spike with S:S31del and S:R346T	C22916T, T22917G, T22926C + S:S31-, S:R346T	119	38	124.38%	101.10%	147.65%	S:R346T S:S31del
★	JN.1.16.1 (BA.2.86.1.1.16.1)	JN.1.16.1*	314	86	118.47%	103.47%	133.48%	S:R346T
★	KP.1 (JN.1.11.1.1; BA.2.86.1.1.11.1.1)	KP.1*	433	73	116.43%	103.65%	129.20%	S:K1086R
★	XDQ.1	XDQ.1*	320	155	111.04%	98.36%	123.71%	S:A475V

★	KQ.1 (JN.1.4.3.1; BA.2.86.1.1.4.3.1)	JN.1.4.3* (Nextclade) + S:R346T	335	30	103.60%	92.38%	114.82%	S:R346T
★	JQ.2.1 (BA.2.86.3.2.1)	BA.2.86.3* (Nextclade) + G2944A + S:R346T, S:L455S	23	1	98.90%	71.98%	125.82%	S:L455S
★	JN.1.9.2 (BA.2.86.1.1.9.2)	JN.1* (Nextclade) + S:Q183H, S:R346T	49	20	97.55%	77.33%	117.78%	S:R346T
★	JN.1.33 (BA.2.86.1.1.33)	JN.1.33*	197	15	97.09%	85.46%	108.72%	G2782T C5512T S:A67V
★	XDD.1.1.1	XDD.1.1* (Nextclade) + S:R346T	15	3	93.97%	64.06%	123.89%	S:R346T
★	JN.1.7.2 (BA.2.86.1.1.7.2)	JN.1.7.2*	471	27	93.82%	85.59%	102.05%	ORF1b:C1563F NSP14:(
★	Sequences with Slip (S:L455S and S:F456L)	S:L455S, S:F456L	4 513	1 128	93.81%	89.33%	98.30%	S:L455S S:F456L
★	JN.1.13.1 (BA.2.86.1.1.13.1)	JN.1.13.1*	884	101	92.48%	85.72%	99.24%	S:R346T S:F59S
★	KR.1 (JN.1.1.5.1; BA.2.86.1.1.1.5.1)	KR.1*	83	0	92.41%	77.75%	107.08%	C28498T S:F456L
★	JN.1.7.1 (BA.2.86.1.1.7.1)	JN.1.7.1*	84	30	91.43%	76.66%	106.20%	S:R346K
★	JN.1.11.1 (BA.2.86.1.1.11.1)	JN.1.11.1* (Nextclade)	2 221	556	91.34%	86.09%	96.58%	S:F456L
★	KU.1 (JN.1.30.1.1; BA.2.86.1.1.30.1.1)	KU.1*	9	0	89.79%	55.18%	124.40%	S:K182Q
★	JN.1.13 (BA.2.86.1.1.13)	JN.1.13* (Nextclade)	985	136	89.59%	83.38%	95.80%	S:A1087S
★	JN.1.16 (BA.2.86.1.1.16)	JN.1.16* (Nextclade)	1 449	345	88.83%	83.33%	94.34%	S:F456L
	XDQ	XDQ* (Nextclade)	749	280	88.48%	81.97%	94.99%	BA.2.86.1/FL.15.1.1 reco
★	JN.1.32.1 (BA.2.86.1.1.32.1)	JN.1* (Nextclade) + C23277T, C280C, G488G, A496A, C683C, C745C, C774C, T997T, C1060C, T1276T, C1288C, G1408G, G1590G, C1601C, C1612C, T1651T, C1762C, C1779C, G2155G, T2236T, A2526A, G2683G, C2695C, G2782G, A2941A, A3181A, T3127T, T3214T, G3875G, A4005A, T4138T, G4294G, C4543C, T4804T, C4921C, T4922T, A5269A, T5422T, G5558G, A6705A, C6555C, A5053A, C5184C, A6613A, C6633C, C7113C, C7423C, C7594C, C7732C, C8802C, A8845A, C9131C, C9298C, C9451C, C9565C, C9693C, C10369C, C10456C, C10726C, C10747C, C11102C, C11747C, T12244T, A13288A, C13326C, A13533A, C13620C, C13663C, C13720C, T14179T, C14267C, T14334T, T14466T, T14811T, G15226G, C15720C, G16106G, G16269G, C17012C, G17278G, G17562G, C17676C, A18093A, T18453T, G18674G, C18687C, T18738T, G18960G, C19011C, G19086G, G19132G, A19314A, A19578A, G20176G, T20874T, A21589A, C21741C, T22270T, T22669T, T22926C, T23137T, C23601C, C23896C, T24424T, C24734C, G25012G, T25171T, G25249G, A25327A, A25426A, C25566C, C25680C, G25987G, G26101G, C26499C, T26511T, G27047G, C27476C, G27948G, A28104A, G28123G, C29642C, A29700A + S:Q183H	37	6	88.24%	69.68%	106.80%	S:Q183H

★	JN.1.4.3 (BA.2.86.1.1.4.3)	JN.1.4.3* (Nextclade)	516	40	86.69%	79.53%	93.84%	S:T572I
★	JN.1.7 (BA.2.86.1.1.7)	JN.1.7* (Nextclade)	4 713	424	85.19%	81.71%	88.68%	S:T572I S:E1150D
★	KV.2 (JN.1.4.5.2; BA.2.86.1.1.4.5.2)	KV.2* (Nextclade)	637	16	83.76%	77.62%	89.90%	C11956T S:T572I ORF1a
★	JN.1.11 (BA.2.86.1.1.11)	JN.1.11* (Nextclade)	2 436	567	82.39%	78.14%	86.65%	G17334T S:V1104L
★	KZ.1 (JN.1.1.6.1; BA.2.86.1.1.1.6.1)	JN.1* (Nextclade) + T22928C, C1762A, C11747T + ORF1b:V1092F	50	8	81.70%	67.08%	96.33%	ORF1b:V1092F NSP13:V
★	JN.1.9.1 (BA.2.86.1.1.9.1)	JN.1.9.1* (Nextclade)	199	35	80.74%	71.99%	89.50%	S:T572I ORF1a:A3143V
★	JN.1.30.1 (BA.2.86.1.1.30.1)	JN.1.30.1*	69	11	80.71%	67.86%	93.55%	T7789C S:R346T
★	XDK.1	XDK.1*	156	29	80.70%	71.03%	90.37%	S:R346T
★	JN.1.18.1 (BA.2.86.1.1.18.1)	JN.1.18.1*	64	18	78.89%	66.18%	91.60%	S:T250N
★	JQ.2 (BA.2.86.3.2)	JQ.2*	41	4	78.19%	63.08%	93.31%	G2944A S:R346T
★	JN.1.4.4 (BA.2.86.1.1.4.4)	JN.1.4.4*	607	55	77.65%	71.93%	83.38%	S:R346T
★	KW.1 (JN.1.28.1.1; BA.2.86.1.1.28.1.1)	KW.1*	278	43	77.26%	70.00%	84.52%	S:T572I
★	XDP.1	XDP* (Nextclade) + ORF1a:L397P, ORF1a:H388Y, S:E1092D	108	10	76.22%	66.12%	86.31%	ORF1a:L397P NSP2:L21 S:E1092D
★	JN.1.23 (BA.2.86.1.1.23)	JN.1.23*	88	36	72.92%	62.54%	83.30%	S:K444R S:Y453F ORF1 NSP3:P1326L
	XDQ.3	XDQ* (Nextclade) + S:P681H	47	11	71.98%	59.08%	84.89%	S:R681H
★	KW.1.2 (JN.1.28.1.1.2; BA.2.86.1.1.28.1.1.2)	JN.1* (Nextclade) + C24034T, A29700G, C19545T, C24370T + ORF1a:P1640L, S:T572I, S:K529T	11	1	71.12%	47.90%	94.33%	S:K529T
★	XDS	XDS* (Nextclade)	86	13	70.96%	60.95%	80.97%	EG.5.1.3/JN.3.2.1 recom
	XDV	C1170T, C6501A, T22926C	41	13	70.52%	57.85%	83.18%	XDE/JN.1 recombinant
★	JN.1.8.1 (BA.2.86.1.1.8.1)	JN.1.8.1* (Nextclade)	2 779	129	69.87%	66.91%	72.84%	S:T572I
★	JN.1.18 (BA.2.86.1.1.18)	JN.1.18* (Nextclade)	1 993	208	69.73%	66.43%	73.04%	S:R346T direct on the po
★	JN.1.40 (BA.2.86.1.1.40)	JN.1.40*	41	6	69.15%	56.27%	82.02%	S:S31P
★	JN.1.28.1 (BA.2.86.1.1.28.1)	JN.1.28.1*	417	50	68.80%	63.42%	74.18%	C19545T C24370T ORF
★	JN.1.32 (BA.2.86.1.1.32)	JN.1.32*	1 987	191	68.50%	65.26%	71.74%	S:T572I direct on the poly
	XDQ.2	XDQ* (Nextclade) + S:N487D	14	3	67.74%	48.03%	87.45%	S:N487D
★	XDP	XDP* (Nextclade)	809	34	67.58%	63.35%	71.81%	JN.1.4/FL.15 recombinan
★	JN.1.4.6 (BA.2.86.1.1.4.6)	JN.1.4.6*	538	43	67.51%	62.71%	72.32%	S:T572I
★	JN.1.37 (BA.2.86.1.1.37)	JN.1* (Nextclade) + C23601T, G248G, G644G, G670G, C774C, A1078A, G1156G, C1185C, T1333T, A1461A, G1658G, C1762C, G2144G, G2173G, G2309G, G2782G, G2900G, G3875G, G4016G, T4804T, T4885T, G4963G, C5090C, C5581C, C5822C, C5849C, C5956C, C6538C, G7273G, G7646G, A7981A, C8074C, G8548G, G8578G, C8802C, A8812A, A10471A, A10558A, C11020C, A11260A, C12754C, G12832G, C15212C, G16269G, A16320A, C16551C, G17278G, G17334G, G17395G, G17562G, T18453T, T19104T, C21774C, C21998C, G22627G, G24821G, A25327A, G25634G, G26143G, T26511T, C26882C, C27476C, T27851T, T28053T, A28104A, A29086A, C29144C, A29684A	80	11	67.45%	58.01%	76.89%	S:S680F on the polytomy

★	JN.1.24.1 (BA.2.86.1.1.24.1)	JN.1* (Nextclade) + S:C1243F, S:R346T	27	3	66.94%	52.21%	81.66%	S:R346T
★	KY.1 (JN.1.8.2.1;BA.2.86.1.1.8.2.1)	KY.1* (Nextclade)	46	1	66.60%	54.43%	78.77%	ORF1a:N3774D NSP6:N
★	JN.1.20 (BA.2.86.1.1.20)	JN.1.20* (Nextclade)	879	53	64.73%	60.90%	68.56%	S:S31F direct on the poly
★	JN.1.48 (BA.2.86.1.1.48)	JN.1* (Nextclade) + T18471C, G29134T	75	10	64.58%	55.43%	73.72%	T18471C G29134T
★	JN.1.28 (BA.2.86.1.1.28)	JN.1.28* (Nextclade)	930	99	64.33%	60.58%	68.08%	C24034T A29700G
★	JN.1.34 (BA.2.86.1.1.34)	JN.1.34*	280	15	64.17%	58.43%	69.91%	S:S704L
	XDW	C28471T, A2127G, T1030C	9	1	63.37%	40.36%	86.38%	JN.2/XDA recombinant
★	JN.1.35 (BA.2.86.1.1.35)	JN.1.35*	85	3	61.72%	53.15%	70.28%	T18471C S:S680Y
★	JN.1.36 (BA.2.86.1.1.36)	JN.1.36*	212	12	59.75%	54.02%	65.47%	A29086T S:Q677H
★	JN.1.26 (BA.2.86.1.1.26)	JN.1.26*	70	5	59.53%	50.87%	68.19%	C26894T S:R346T
	XDR	XDR* (Nextclade)	611	81	58.66%	54.67%	62.64%	JD.1.1.1/JN.1.1 recombir
★	JN.1.4.2 (BA.2.86.1.1.4.2)	JN.1.4.2* (Nextclade)	879	26	58.14%	54.70%	61.59%	S:N185D
★	XDK	XDK* (Nextclade)	1 087	124	57.99%	54.82%	61.16%	JN.1.1.1/XBB recombinar
★	JN.1.1.6 (BA.2.86.1.1.1.6)	JN.1.1.6*	103	22	57.64%	50.61%	64.67%	S:F456L direct on the pol
★	XDD.1.1	XDD.1.1* (Nextclade)	223	15	56.80%	51.39%	62.21%	S:I584V
★	JN.1.8 (BA.2.86.1.1.8)	JN.1.8* (Nextclade)	4 299	165	56.17%	54.21%	58.13%	ORF7a:T28I
★	XDD.1	XDD.1* (Nextclade)	400	19	56.04%	51.74%	60.34%	S:S704L
★	JN.1.27 (BA.2.86.1.1.27)	JN.1.27*	79	2	56.02%	47.90%	64.13%	C26984T C25680T S:M1
★	JN.1.4 (BA.2.86.1.1.4)	JN.1.4* (Nextclade)	39 882	1 272	54.48%	53.39%	55.57%	ORF1a:T170I NSP1:T17(
★	JN.1.36.1 (BA.2.86.1.1.36.1)	JN.1.36.1*	87	6	54.28%	46.84%	61.72%	S:S680F
★	JN.1 (BA.2.86.1.1)	JN.1* (Nextclade)	180 739	6 492	53.57%	52.74%	54.40%	S:L455S ORF1a:R3821K
★	LC.1 (JN.1.1.7.1; BA.2.86.1.1.1.7.1)	JN.1.1* (Nextclade) + S:S31F, S:R346T	14	0	53.33%	36.77%	69.89%	S:R346T
★	JN.1.47 (BA.2.86.1.1.47)	JN.1* (Nextclade) + C8074T, C7594T	636	3	50.40%	46.98%	53.83%	C8074T C7594T
		JN.1* (Nextclade) + C8074T, C7594T +						

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The sequence data was updated: Yesterday at 1:53 AM
Nextclade dataset version: 2024-04-15--15-08-22Z
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